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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Kevin I. Bertness et al.

Appln. No.: 10/678,629

Filed : October 3, 2003

For : ELECTRONIC BATTERY
TESTER/CHARGER WITH
INTEGRATED BATTERY CELL
TEMPERATURE MEASUREMENT
DEVICE

Group Art Unit: 2858

Examiner: Vincent Q
Nguyen

Docket No.: C382.12-0140

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
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A. Rego
PATENT ATTORNEY

Sir:

This is in response to the Office Action mailed on
December 1, 2004. Please amend the above-identified application
as follows.

AMENDMENT TO THE CLAIMS

Please amend the presently pending claims as follows:

1. (Original) An electronic battery tester for testing a storage battery, the storage battery including a battery housing and a plurality of electrochemical cells in the battery housing electrically connected to a positive terminal of the battery and a negative terminal of the battery, the tester comprising:

 a positive connector coupled to the positive terminal of the battery;

 a negative connector coupled to the negative terminal of the battery;

 a temperature sensor configured to measure a temperature of an individual electrochemical cell of the plurality of electrochemical cells of the battery; and

 processing circuitry, coupled to the temperature sensor, configured to test the battery using the first and second connectors and to provide an output related to the temperature measured by the temperature sensor.

2. (Original) The electronic battery tester of claim 1 wherein the temperature sensor is a non-contact temperature sensor.

3. (Original) The electronic battery tester of claim 2 wherein the non-contact temperature sensor is an infrared temperature sensor.

4. (Original) The electronic battery tester of claim 1 wherein the processing circuitry is configured to provide a condition of the electrochemical cell of the plurality of electrochemical cells based on the temperature measured by the temperature sensor.